marantz®

Model AV1030/AV1040 User Guide

AV Surround Processor

ENGLISH

WARRANTY
For warranty information, contact your local Marantz distributor.

RETAIN YOUR PURCHASE RECEIPT
Your purchase receipt is your permanent record of a valuable purchase. It should be kept in a safe place to be referred to as necessary for insurance purposes or when corresponding with Marantz.

IMPORTANT
When seeking warranty service, it is the responsibility of the consumer to establish proof and date of purchase. Your purchase receipt or invoice is adequate for such proof.

FOR U.K. ONLY
This undertaking is in addition to a consumer's statutory rights and does not affect those rights in any way.

FRANÇAIS

GARANTIE
Pour des informations sur la garantie, contacter le distributeur local Marantz.

CONSERVER L'ATTESTATION D'ACHAT
L'attestation d'achat est la preuve permanente d'un achat de valeur. La conserver en lieu sur pour s'y reporter aux fins d'obtention d'une couverture d'assurance ou dans le cadre de correspondances avec Marantz.

IMPORTANT
Pour l'obtention d'un service couvert par la garantie, il incombe au client d'établir la preuve de l'achat et d'en corroborer la date. Le reçu ou la facture constituent des preuves suffisantes.

DEUTSCH

GARANTIE
Bei Garantiefragen wenden Sie sich bitte an Ihren Marantz-Händler.

HEBEN SIE IHRE QUITTING GUT AUF
Die Quittung dient Ihnen als bleibende Unterlage für Ihren wertvollen Einkauf Das Aufbewahren der Quittung ist wichtig, da die darin enthaltenen Angaben für Versicherungswecke oder bei Korrespondenz mit Marantz angeführt werden müssen.

WICHTIG!
Bei Garantiefragen muß der Kunde eine Kaufunterlage mit Kaufdatum vorlegen. Ihren Quittung oder Rechnung ist als Unterlage ausreichend.

NEDERLANDS

GARANTIE
Voor inlichtingen omtrent garantie dient u zich tot uw plaatselijke Marantz.

UW KWITANTIE, KASSABON E.D. BEWAREN
Uw kwitantie, kassabon e.d. vormen uw bewijs van aankoop van een waardevol artikel en dienen op een veilige plaats bewaard te worden voor evt, verwijzing bijv, in verbend met verzekering of bij correspondentie met Marantz.

BELANGRIJK
Bij een evt, beroep op de garantie is het de verantwoordelijkheid van de consument een gedateerd bewijs van aankoop te tonen. Uw kassabon of factuurzijn voldoende bewijs.

ESPAÑOL

GARANTIA
Para obtener información acerca de la garantia póngase en contacto con su distribuidor Marantz.

GUARDE SU RECIBO DE COMPRA
Su recibo de compra es su prueba permanente de haber adquirido un aparato de valor, Este recibo deberá guardarlo en un lugar seguro y utilizarlo como referencia cuando tenga que hacer uso del seguro o se ponga en contacto con Marantz.

IMPORTANTE
Cuando solicite el servicio otorgado por la garantia el usuario tiene la responsabilidad de demonstrar cuándo efectuó la compra. En este caso, su recibo de compra será la prueba apropiada.

ITALIANO

Condizioni di garanzia
L'apparecchio e' garantito per 365 giorni dalla data di acquisto comprovata da un documento attestante il nominativo del rivenditore e la data di vendita. La garanzia sara' prestata con la sostituzione o riparazione gratuita delle parti difettose.

Non sono coperti da garanzia difetti derivanti da uso improprio, errata installazione, manutenzione effettuata da personale non autorizzato o, comunque, da circostanze che non possano riferirsi a difetti di tunzionamento dell'apparecchio. Sono inoltre esclusi dalla garanzia gli interventi inerenti l'installazione e l'allacciamento agli impianti di alimentazione.

Gli apparecchi verranno riparati presso i nostri Centri di Assistenza. Le spese ed i rischi di trasporto sono a carico del cliente.

La casa costruttrice declina ogni responsabilita' per danni diretti o indiretti provocati dalla inosservanza delle prescrizioni di installazione, uso e manutenzione dettagliate nel presente manuale.

Per informazioni sull'abbonamento al Servizio Assistenza postgaranzia e per conoscere l'indirizzo dei Centri Assistenza Marantz rivolgetevi al nostro servizio consumatori (telefono 1678-20026 - numero verde).

PORTUGUÊS

GARANTIA
Para informações sobre a garantia, contactar o distribuidor Marantz local.

GUARDAR O RECIBO DE COMPRA
O recibo é o registo permanente da compra que fez. Deve ser guardado num local seguro, para ser apresentado em questões relacionadas com o seguro ou para quando tiver de contactar a Marantz.

IMPORTANTE
Quando procurar assisténcia técnica ao abrigo da garantia, é da responsabilidade do consumidor estabelecer a prova e data de compra. O recibe é prova adequada.

SVENSKA

GARANTI
För information om garantin, kontakta Marantz lokalagent.

SPAR KVITTOT
Kvittot är ett inköpsbevis på en värdefull vara. Det skall förvaras säkert och hänvisas till vid försäkringsfall eller vidkorrespondens mod Marantz.

VIKTIGT
Fö att garantin skall gälla är det kundens sak att framställa bevis och datum om köpet. Kvitto eller faktura är tillräokligt bevis fö detta.

ENGLISH:	This unit meets the requirements of EEC Recommendation 82/499.
FRANÇAIS:	Cet appareil est conforme aux directives 82/499 de la CEE.
DEUTSCH:	Dises Gerät entspricht der EWG-Empfehlung 82/499.
NEDERLANDS:	Dit apparaat voldoet aan de eisen van Aanbeveling EEG 82/499.
ESPAÑOL:	Este aparato cumple los requisitos establecidos en la directiva 82/499 de la CEE.
ITALIANO:	Questo apparecchio è conforme ai requisiti della direttiva CEE 82/499.
PORTUGUÊS:	Esta unidade foi concebida e manufacturada em conformidade com a Recomendação 82/499 da Comunidade Económica Europeia.
SVENSKA:	Denna apparat överenstämmer med bestämmelsema i EEC 82/499.

ENGLISH

FOREWORD

This section must be read before any connection is made to the mains supply.

WARNINGS

Do not expose the equipment to rain or moisture.

Do not remove the cover from the equipment.

Do not push anything inside the equipment through the ventilation holes.

Do not handle the mains lead with wet hands.

EQUIPMENT MAINS WORKING SETTING

Your Marantz product has been prepared to comply with the household power and safety requirements that exist in your area.

"/02" Version product can be powered by 230 V AC only.

"/05" or "/07" Version product can be powered by 240 V AC only.

On the rear panel of the "/01" Version product, a voltage selector (2-position or 4-position) is provided. Be sure to set the voltage selector to the mains voltage of your area before using the unit.

IMPORTANT:

This apparatus is fitted with an approved moulded 13 Amp plug.

To change a fuse in this type of plug proceed as follows:

1. Remove fuse cover and fuse.
2. Fix new fuse which should be a BS1362 5A, A.S.T.A. or BSI approved type.
3. Refit the fuse cover.

If the fitted plug is not suitable for your socket outlets, it should be cut off and an appropriate plug fitted in its place.

If the mains plug contains a fuse, this should have a value of 5A. If a plug without a fuse is used, the fuse at the distribution board should not be greater than 5A.

NOTE:

The severed plug must be destroyed to avoid a possible shock hazard should it be inserted into a 13A socket elsewhere.

HOW TO CONNECT A PLUG

The wires in the mains lead are coloured in accordance with the following code:

BLUE—"NEUTRAL" ("N")

BROWN—"LIVE" ("L")

1. The BLUE wire must be connected to the terminal which is marked with the letter "N" or coloured BLACK.
2. The BROWN wire must be connected to the terminal which is marked with the letter "L" or coloured RED.
3. Do not connect either wires to the earth terminal in the plug which is marked by the letter "E" or by the safety earth symbol ⏚ or coloured green or green-and-yellow.

Before replacing the plug cover, make certain that the cord grip is clamped over the sheath of the lead — not simply over the two wires.

COPYRIGHT

Recording and playback of any material may require consent. For further information refer to the following:

— Copyright Act 1956
— Dramatic and Musical Performers Act 1958
— Performers Protection Acts 1963 and 1972
— any subsequent statutory enactments and orders

ABOUT THIS USER GUIDE

Refer to the diagrams on page 50 at the rear of this user guide. The numbers on the diagrams correspond to those in the text. All references to the connections and controls that are printed in **BOLD** type are as they appear on the unit.

PRECAUTIONS

The following precautions should be taken when operating the equipment.

GENERAL PRECAUTIONS

When siting the equipment ensure that:

— the ventilation holes are not covered;
— air is allowed to circulate freely around the equipment
— it is on a vibration free-surface;
— it will not be exposed to interference from an external source;
— it will not be exposed to excessive heat, cold, moisture or dust;
— it will not be exposed to direct sunlight;
— it will not be exposed to electrostatic discharges

Never place heavy objects on the equipment.

If a foreign body or water does enter the equipment, contact your nearest dealer or service centre.

Do not pull out the plug by pulling on the mains lead, hold the plug.

It is advisable when leaving the house, or during a thunderstorm, to disconnect the equipment from the mains supply.

FEATURES

- **Dolby Pro Logic Surround decoder with auto input balance control function.**
- **Three surround modes including MATRIX, HALL and SIMULATED STEREO.**
- **Door open/close mechanism operated by means of a touch sensor. (AV1040)**
- **Possibility of connecting almost any AV component by combining the SR1030 (or SR1040).**
- **Possibility of remote control through the remote control bus (D-BUS jacks).**
- **Pre-out jacks for every channel plus sub woofer output jack.**

USING THE SURROUND MODES

Four surround modes are provided for reproducing sound with a live atmosphere. Select the surround mode appropriate to the music/video source and your listening room conditions.

1. Dolby Pro Logic Surround

The AV1030/AV1040 features a newly developed high-performance Dolby Pro Logic decoder chip that separates the two channels of stereo audio from movie soundtracks, and derives left, center, right and surround channels, With the high separation accuracy and pinpoint placement of music, dialogue, and surround-sound effects created by the Pro Logic system, you will be provided with an exhilarating home theatre experience. The AV1030/AV1040 allows easy set-up and balancing of the Pro Logic system via remote control and the built-in Dolby test-tone generator.

2. Hall Surround

In an actual concert hall, the sound that reaches your ears contains not only the direct sound from the musicians but also a complex combination of reflected sounds and reverberations, creating a rich hall tone. Select this mode with sources other than Dolby Surround sources.

3. Matrix Surround

This mode produces a natural spacious sound regardless of the music source.

4. Simulated Stereo

When playing a mono source, select this mode to produce a simulated stereo effect.

DOLBY PRO LOGIC SURROUND

Speaker positioning

1. Configuring a total system (Fig. 1 connection example)

Although this configuration requires the use of five speakers, it allows you to experience the full effect of Dolby Pro Logic Surround. Ideally, the 3 front channel speakers should be the same. However, Dolby Pro Logic's Normal mode allows you to use a smaller loudspeaker for the center channel, directing bass signals to the left and right speakers. In this case, a speaker with similar characteristics to the left/right speakers should be used.

Be sure to use a shielded type of speaker for the center speaker. If the center speaker is not anti-magnetic, magnetism from the speaker may cause colour irregularity in the TV picture.

It is often difficult to position the speakers in the ideal configuration shown in the diagram. One of the main features of the Dolby Pro Logic Surround system, however, is that even if the speakers cannot be arranged in the ideal configuration, clear centralization of the sound image and a rich feeling of expansiveness can still be obtained.

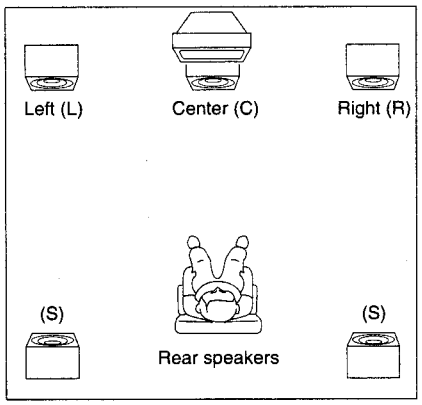
Especially with the rear speakers, even if you cannot position them on the floor like the front speakers, you can still obtain a good surround effect by mounting them on the wall or ceiling or on top of furniture.

* Set the CENTER MODE selector to NORMAL or WIDE.

In Normal mode, the low-frequency component is cut from the dialogue signal so that a small center speaker can be used.

Wide mode is designed so that when using a center speaker of the same grade as the front speakers, the frequency characteristics are such that the dialogue output is reproduced in a flat, even manner.

(Connection examples)



(using a center speaker)

Figure 1

CONNECTIONS

(Figure 3)

Connection of D-BUS Remote Control Bus

This unit is equipped with the remote control bus function. By connecting it to Marantz system components equipped with remote control (D. BUS/RC-5) jacks, such as a TV, LD player and VCR, these components can be remote controlled from this unit.

Connect the D.BUS OUT jack of this unit to the REMOTE CONT. BUS IN jack of another component using an RCA-type pin lead.

Note:

In case the LD player, VCR or TV to be connected to the remote control (D.BUS/RC-5) jack of this set is provided with a remote control unit but does not have the EXT/INT switch, connect the component to the OUT jack. IN other cases, connect the component to the IN jack.

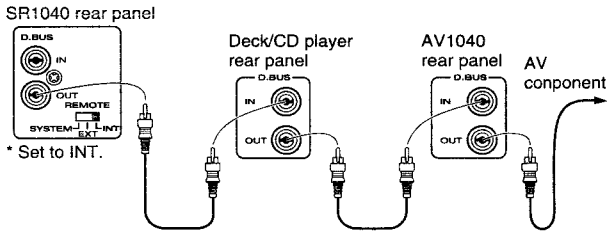


Figure 2

CONNECTORS AND CONTROL BUTTONS ON THE MAIN UNIT

(Figure 5)

① **TV input jack (VIDEO)**
② **LD input jack (VIDEO)**
③ **VCR1 input jack (VIDEO)**
④ **VCR1 output jack (VIDEO)**
⑤ **VCR2 input jack (VIDEO)**
⑥ **VCR1 output jack (VIDEO)**
⑦ **TV monitor output jack**
⑧ **SUB WOOFER output jack**
⑨ **CENTER output jack (PRE OUT)**
⑩ **SURROUND R channel output jack (PRE OUT)**
⑪ **SURROUND L channel output jack (PRE OUT)**
⑫ **AUDIO input jacks**
⑬ **FRONT output jacks**
⑭ **TV input jacks (AUDIO)**
⑮ **LD input jacks (AUDIO)**
⑯ **VCR1 input jacks (AUDIO)**
⑰ **VCR1 output jacks (AUDIO)**
⑱ **VCR2 input jacks (AUDIO)**
⑲ **VCR1 output jacks (AUDIO)**
⑳ **D-BUS IN jack**
㉑ **D-BUS OUT jack**
㉒ **CENTER speaker terminals**

㉓ SURROUND speaker terminals

㉔ POWER switch
This is the main power switch of the set. Normally, leave this switch in the ON position.

㉕ AC POWER cord

㉖ POWER button
Press to switch the power of the set between ON and stand-by. In the stand-by mode, the S-BY indicator lights on the FL display. The power can also be controlled from the remote control unit of the SR1030 (SR1040).

㉗ SURROUND MODE button

㉘ SURROUND ON/OFF button

㉙ CENTER MODE button

㉚ T.(test) TONE button

㉛ DELAY button

㉜ DIMMER button
Press to switch the brightness of the FL display. Pressing once dims the display and pressing again returns to the original brightness. When the set is combined with the SR1030 (SR1040) and DC1010 (DC1020), this button also controls the FL display panels of these components (provided that they are connected through the D-BUS).

㉝ S-INJ. (Sound Injection) button
Press to switch the audio to the audio input from the SR1030 (SR1040) connected to the set.

For example, when this button is pressed to ON while the Input selector of the AV1030 (AV1040) is set to LD and the receiver is set to CD, the video source does not change but the audio signal is switched to the CD signal. This function allows recording by combining desired audio with the desired video source. The S-INJ indicator in the FL display lights while the Sound Injection function is ON.

㉞ COPY button
Press for tape dubbing from VCR1 to VCR2. The contents of tape on VCR1 can be copied to VCR2 regardless of the SOURCE SELECTOR setting. In this case, the dubbed video and audio are both those of VCR1. The V1 → V2 indicator of the FL display lights when this button is pressed to ON.

㉟ Display

㊱ SOURCE SELECTOR

㊲ INPUT LEVEL control
Turn this control to adjust the input level in the Dolby surround mode.

This control is also effective in other modes than the Dolby mode. Turning the control counterclockwise decreases the input level or clockwise to increase it.

The control is usually set to the most clockwise position, but it should be turned counterclockwise in case the sound is distorted even when the listening volume is decreased.

㊳ BALANCE control
Turn this control to balance the L and R levels of the front channel.

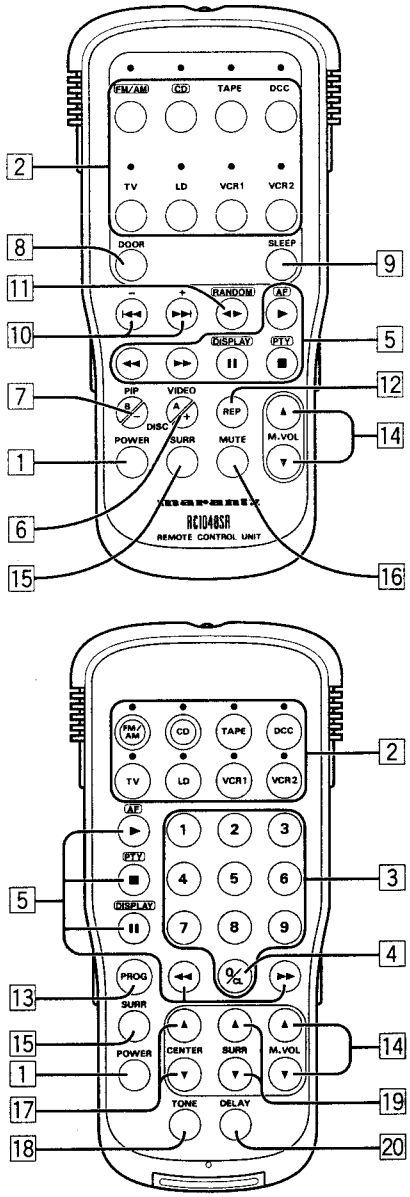
㊴ MASTER VOLUME control

㊵ DOOR OPEN/CLOSE switch (touch sensor with the AV1040)

OPERATION OF REMOTE CONTROL UNIT

The AV1040/AV1030 can be remote controlled using an optionally-available remote control unit. In this case, operate the remote control operation as described in the following.

CONTROL BUTTONS ON THE REMOTE CONTROL



1 POWER switch
Press this switch to turn the power of the unit ON. Pressing the switch again turns the power OFF and the unit enters the standby mode.

2 Function buttons
CD, FM/AM (tuner), DCC, TAPE, TV, LD, VCR 1 and VCR2.

These buttons select the source to be played or recorded.

The indicator blinks for about 10 seconds when the button is pressed.

3 Numeric buttons 1 to 9
These buttons are used to enter figures in the selection of a tuner preset station, to set the clock or to set select a CD track number, etc. The functions of these buttons are dependent on the function button selected.

4 0/CL button
This button is used to enter the number "0" as well as to cancel various operations.

[5] Control buttons

Play (►),Stop (■), Pause (❚❚), FF (►►), REW (◄◄).

These buttons are used when operating the CD player, TAPE deck, DCC deck, etc.

The functions of these buttons are dependent on the function button selected.

When TUNER is selected:

Play (►)	AF button
Stop (■)	PTY button
Pause (❚❚)	Display button
FF (►►)	Tuning UP
REW (◄◄)	Tuning DOWN

[6] A/+ button

The function of this button is dependent on the function button selected, as described below.

When CD is selected:

Disc r (used to select a disc in the CD changer).

When TAPE or DCC is selected:

Deck A

(used to select deck A of a double cassette deck).

When TV is selected:

Video

(used to switch the TV input between VIDEO and TV).

When LD is selected:

Side A (used to select side A of LD).

[7] B/– button

The function of this button is dependent on the function button selected, as described below.

When CD is selected:

Disc s (used to select a disc in the CD changer).

When TAPE or DCC is selected:

Deck B

(used to select deck B of a double cassette deck).

When TV is selected:

PIP (used to select the Picture-In-Picture Function).

When LD is selected:

Side B (used to select side B of LD).

The following table shows the functions of the MODE buttons [6] and [7].

	CD	TAPE/DCC	TV	LD
[6] A/+	DISC +	DECK A	VIDEO	SIDE A
[7] B/–	DISC –	DECK B	PIP	SIDE B

[8] DOOR button (SR1040)

- If components of the Marantz Slim Line Series are connected through the AL-Bus, the DOOR button allows the doors on the system components to be opened or closed.

NOTE:

The DOOR button is invalid if the components are not connected through the AL-Bus.

[9] SLEEP button (SR1040)

Press to set the sleep timer.

[10] I◄◄/–, ►►I/+

These buttons are used to increase/decrease the tuner preset number, increase/decrease the CD track number or to go to the next/previous track on a TAPE.

The function of this button is dependent on the function button [2] selected.

[11] RANDOM/◄► button

The function of this button is dependent on the function button [2] selected, as described below.

When CD is selected:

Random (used for random playback).

When TAPE or DCC is selected:

Direction (used to select side A or B).

When TUNER is selected:

Stereo/Mono (used to switch the tuner reception mode between stereo and mono).

When TV is selected:

Bilingual (used to select the TV audio multiplex mode).

When LD is selected:

Sound (used to select the LD audio mode).

When a VCR is selected:

Bilingual (used to select the VCR audio mode).

	CD	TAPE/DCC	TUNER	TV	LD	VCR
MODE/◄►	RANDOM	◄ ►	ST/MONO	BILIN	SOUND	BILIN

[12] REP. button

When CD is selected:

Repeat (used to repeat the same tracks).

[13] PROG button

This button is used to store a preset station in the memory or to program a CD track.

[14] M.VOL ▲/▼ buttons

These buttons vary the listening volume. Press the ▲ button to increase it and the ▼ button to decrease it.

[15] SURR. button

Each press changes the surround mode.

[16] MUTE button

Press to mute the sound from the speakers. When this button is pressed, the speakers are muted and "MUTE" appears on the display of the main unit. Pressing the button again cancels the muting function, which can also be cancelled by pressing one of the function buttons.

[17] CENTER ▲/▼ buttons

Press to change the level of the centre channel sound.

[18] TONE button

Press to output the test tone from one of the sound channels in order.

[19] SURR ▲/▼ buttons

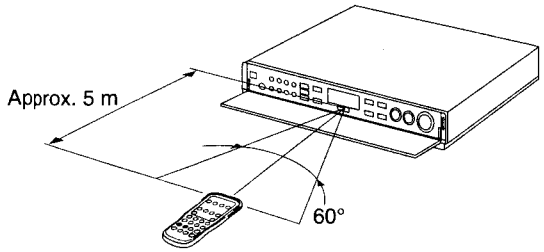
Press to change the level of the surround (rear) channel sound.

[20] DELAY button

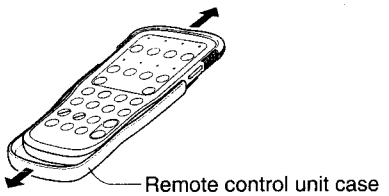
Press to change the delay time of surround effect.

Remote control operation range

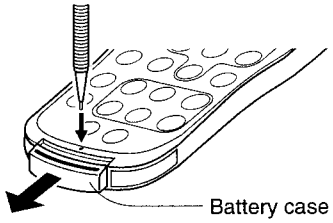
The remote control should be operated at a distance of less than 5 m from the infrared sensor of the unit. Be careful not to point the transmitter of the remote control in any direction other than towards the infrared sensor and ensure that there are no obstacles between the transmitter and infrared sensor, for these may make remote control operation impossible.



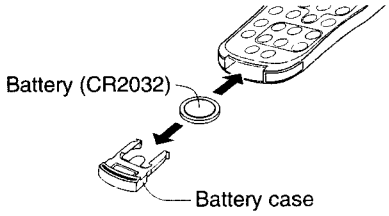
1. Take out the remote control unit itself from the remote control unit case.



2. Load batteries with the correct + (positive) and – (negative) polarities.



3. Load the provided battery in the battery case.
   When loading, insert the battery correctly following the "+" indication on the battery case and fit until it clicks.



The battery life is about 1 year under normal use.

The life is variable depending on the operating condition. If the unit is not to be used for a long period of time, be sure to take out the battery from the unit.

Do not store a LITHIUM battery in the reach of children.

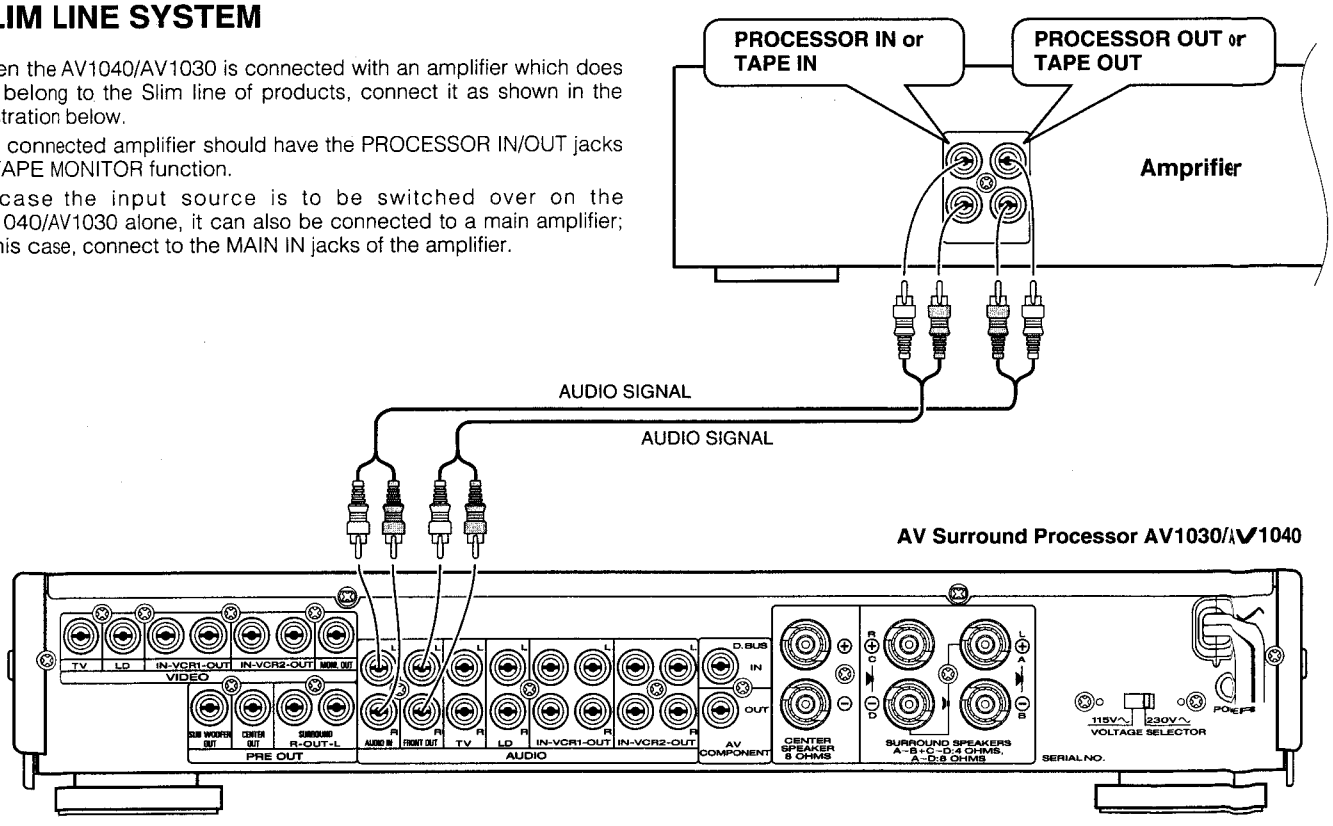
If it is swallowed by accident, immediately consult your doctor.

CONNECTION OF UNIT WHEN IT IS COMBINED WITH OTHER SYSTEM THAN SLIM LINE SYSTEM

When the AV1040/AV1030 is connected with an amplifier which does not belong to the Slim line of products, connect it as shown in the illustration below.

The connected amplifier should have the PROCESSOR IN/OUT jacks or TAPE MONITOR function.

In case the input source is to be switched over on the AV1040/AV1030 alone, it can also be connected to a main amplifier; in this case, connect to the MAIN IN jacks of the amplifier.



PLAYING A PROGRAM SOURCE

(Figure 4)

The AV1030 (AV1040) has been designed to be used in combination with the SR1030 (SR1040) receiver. Therefore, the subsequent description assumes that the set has been combined with the receiver.

As the AV1030 is similar to the AV1040 except for that the AV1030 does not have the door on the front panel, the following description takes the AV1040 as the reference.

• Normal play

1. Set the MASTER VOLUME control to the minimum position.
2. Press the POWER buttons of the receiver and the AV1040 to turn their power ON.
3. Select the desired source with the selector buttons. If the source is an audio-only source, select it with the input selector of the receiver. If the source also outputs the video signal, select it with the SOURCE SELECTOR buttons of the AV1040.
4. Select the surround mode according to the source to be played.
5. Start playing the source component. Adjust the tone with the controls of the receiver and the listening volume with the controls of the AV1040.

Notes:

When the receiver is combined with the AV1040, set the processor selector switch on the rear panel of the receiver to ON. (The switch has been set to OFF when the receiver left the factory.)

In this case, the volume control of the receiver is invalidated; set it to the minimum position.

Listening to a different audio source while watching a video source

1. Select one of the video sources connected to the AV1040:
   TV, LD, VCR1 or VCR2.
2. Select one of the audio sources connected to the receiver:
   CD, TAPE, DCC, AUX or TUNER (FM/AM).
3. Adjust the listening level with the MASTER volume control of the AV1040. Adjust the tone with the tone controls of the receiver.

Notes:

When an audio source such as CD and TAPE deck is selected with the input selector of the receiver, the sound injection function of the AV1040 is switched ON. In this case, the video comes from the source selected on the AV1040.

When a source connected to the AV1040 such as LD and VCR1 is selected, the FL display of the receiver shows the source selected with the AV1040.

Recording or copying of video source

In the following example, the video and audio of the LaserDisc player are recorded onto a videotape in VCR1.

1. Press the LD selector button.
2. Start playing the LaserDisc player.
3. Start recording on VCR1.

For details of playback and recording, refer to the instruction manuals provided with the video components.

Copying from VCR1 to VCR2 while watching another source

(Example: Copying while watching LaserDisc)

1. Press the LD selector button and set a LaserDisc on the LD player.
2. Prepare VCR1 for playback and VCR2 for recording.
3. Press the COPY button. (V1→V2 lights in the display.)
4. Start playing the tape in VCR1 and start recording on VCR2.
5. Start playing the LaserDisc.

Note:

The volumes of the surround and center channels are controlled from the remote control unit only. Use the remote control unit provided with the SR1030 (SR1040). The AV1040 (AV1030) is not provided with the remote control unit.

ADJUSTMENTS

Adjusting the input level

This adjustment procedure is used to ensure that video sources encoded with DOLBY Surround are properly decoded during playback.

1. Play a video source on a VCR or LD player and input both video and audio signals from that component.
2. Adjust the INPUT LEVEL control ㊲ so that the PEAK input level indicator lights up during scenes with which the sound level is high.
3. Readjust the input level whenever you use a different type of video software (source).
4. Now the adjustment is complete. Turn the MASTER VOLUME control ㊴ to an appropriate volume level and enjoy the surround system.

Adjusting the surround level

Use this procedure to adjust the volume of each of the front, center and rear speakers when watching a movie or other video source in DOLBY surround mode.

1. Turn the VOLUME control ㊴ to the minimum position.
2. Press the DOLBY button ㉗.
3. Press the CENTER MODE button ㉙ to the select the center mode corresponding to your speaker system configuration.
   In this example, the center mode is set to NORMAL.
4. Press the T.(test) TONE button ㉚ . A test signal tone is heard from the left, center, right, and surround speakers in sequence.
5. Gradually turn the VOLUME control ㊴ clockwise to increase the volume.
6. Using the remote control unit, adjust the volume of the test tone for center and surround until the volume appears to be set at the same level for all speakers.
   This unit is preset so that a correct balance will be obtained under conditions of normal use, so make adjustments only as necessary.
7. When volume adjustment is completed, press the T.(test) TONE button ㉚ again so that the test signal tone stops.

Hall Surround, Matrix Surround and Simulated Stereo

- With stereo sources other than Dolby Surround sources, the surround component is combined with the source signal. To obtain a surround effect with these sources, use Hall Surround or Matrix Surround.
  Select the desired mode by pressing the SURROUND MODE button ㉗.
- Use Simulated Stereo mode with mono sources. In this mode, a short time delay is inserted between the left channel and right channel signals, creating a stereo effect.
  The delay time in Simulated Stereo mode can be adjusted in the same way as in other surround modes.

Adjusting the digital delay time

1. Press the SURROUND MODE button ㉗ to select the desired surround mode.
2. Press the DELAY button ㉛. The currently set delay time appears on the display for 5 seconds.
3. When the DELAY button ㉛ is pressed while the delay time is being displayed, the delay time increases in 5 ms steps in the range from 5 to 30 ms. Pressing the button while the displayed delay time is 30 ms increases it to 33 ms, the next press returns it to 2 ms, and a further press increases it to 5 ms, after which the 5 ms increase per press resumes.
4. The adjustment range is 15-30 milliseconds in DOLBY mode and 2-33 ms in all other modes.
   The last setting of delay time in each surround mode is memorized even when the power is switched off.
   * This operation is also possible using the remote control.

REPAIRS

Only the most competent and qualified service technicians should be allowed to service the equipment. The Marantz company and its factory-trained warranty station personnel have the knowledge and special facilities needed for repair and calibration of this precision equipment. After the warranty period has expired, repairs will be performed for a charge if the equipment can be returned to normal operation.

In the event of difficulty, refer to your dealer or write directly to the nearest location to you that is listed on the Marantz Authorised Service Station list. If writing, please include the model and serial number of the equipment together with a full description of what you think is abnormal about the equipment's behaviour.

MODEL AV1030/AV1040 TECHNICAL SPECIFICATIONS (DIN)

AMPLIFIER SECTION

Power output	DIN 8Ω	50 W
	RMS 8Ω	45 W
IHF Dynamic power	8Ω	64 W
	4Ω	85 W
	2Ω	92 W
T.H.D. at 8Ω rated RMS output		0.05%
Damping factor		100
Input sensitivity	: LD/TV/VCR1/VCR2/AUDIO IN	220 mV/40 kΩ
S/N (IFH-A)	: LD/TV/VCR1/VCR2/AUDIO IN	80 dB

VIDEO SECTION

Input/Output Level and Impedance 1 Vp-p/75Ω

Power Requirements

/2A/2B version ..... 230 V AC, 50/60 Hz

/1A/1B version ..... 115/230 V AC, 50/60 Hz

Dimensions

Width ..... 422 mm

Height ..... 76 mm

Depth ..... 334 mm

Weight ..... 5.9 kg (AV1030)

6.0 kg (AV1040)

SUPPLIED ACCESSORIES

Stereo Audio cable × 2

Remote cable × 1

AC Adaptor × 1 (only 1A/1B version)

Specifications subject to change without prior notice.

VIDEO SYSTEM CONNECTIONS

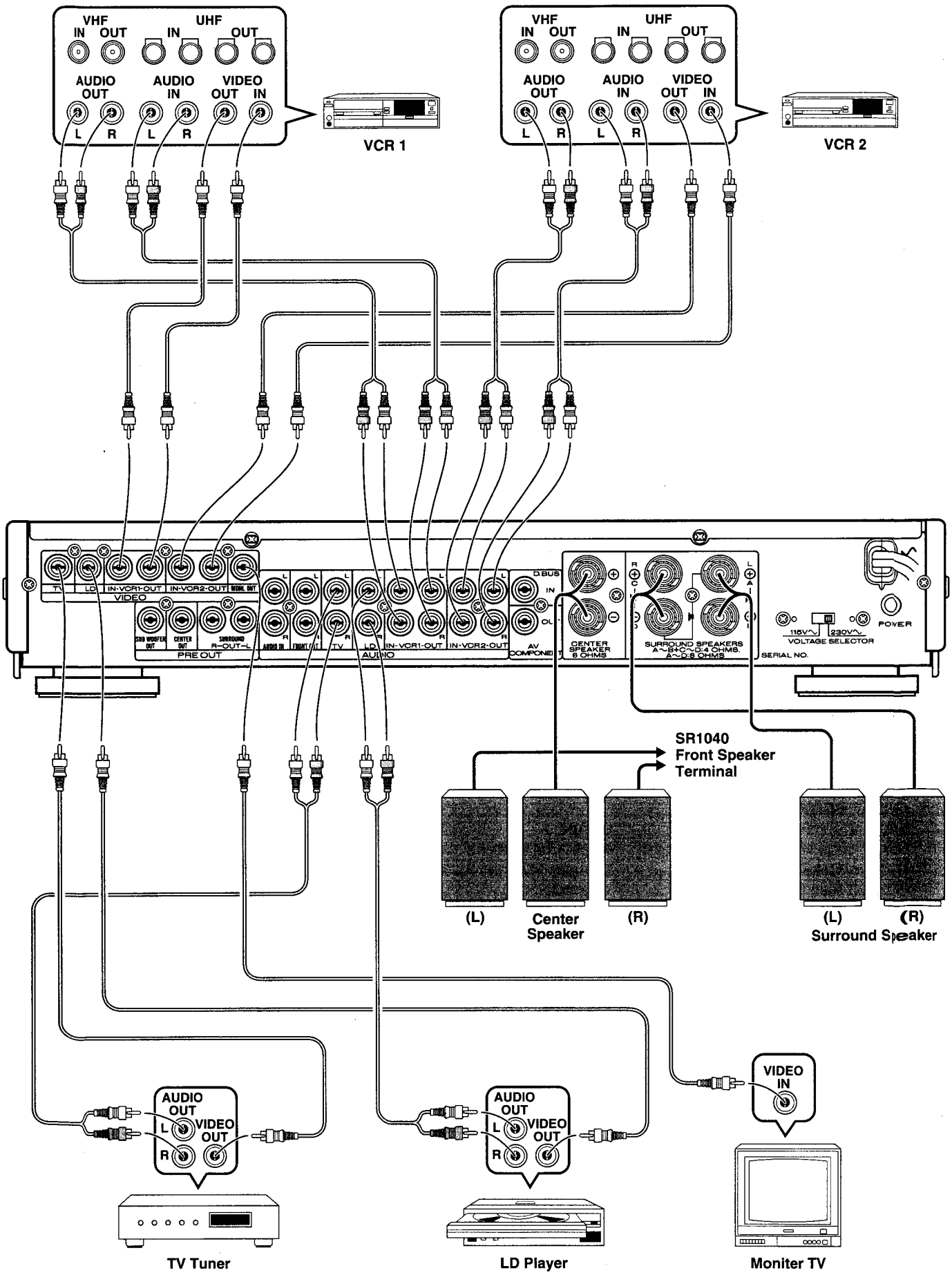
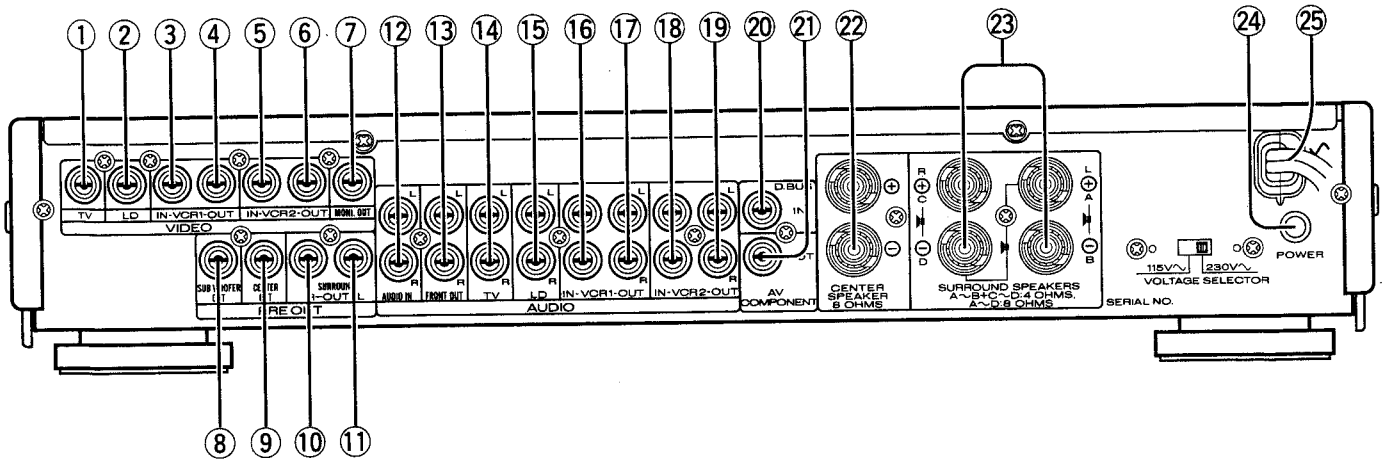
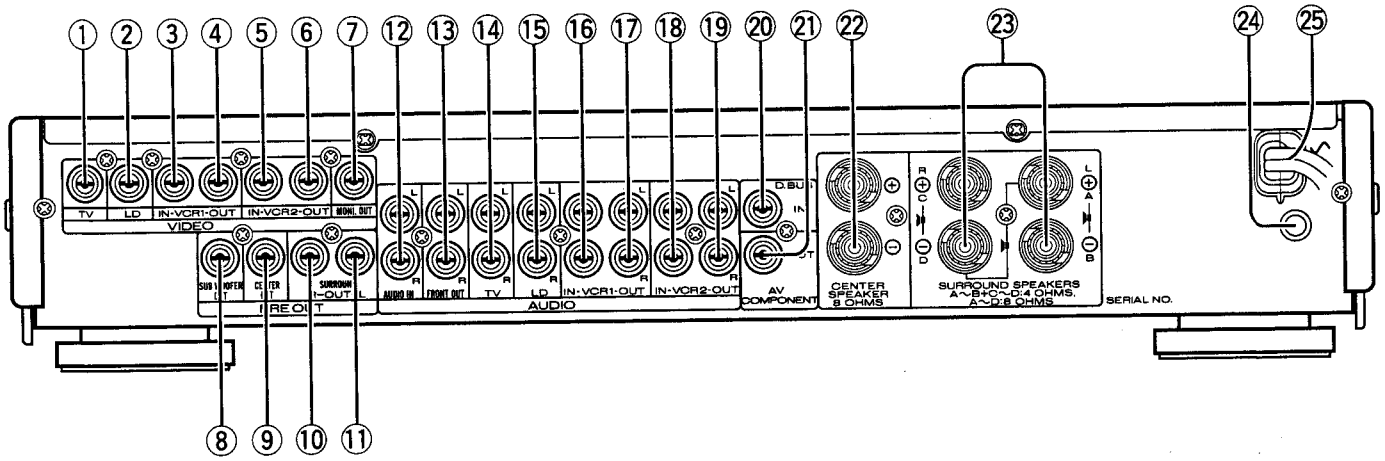


Figure 4

/1A/1B version



/2A/2B version



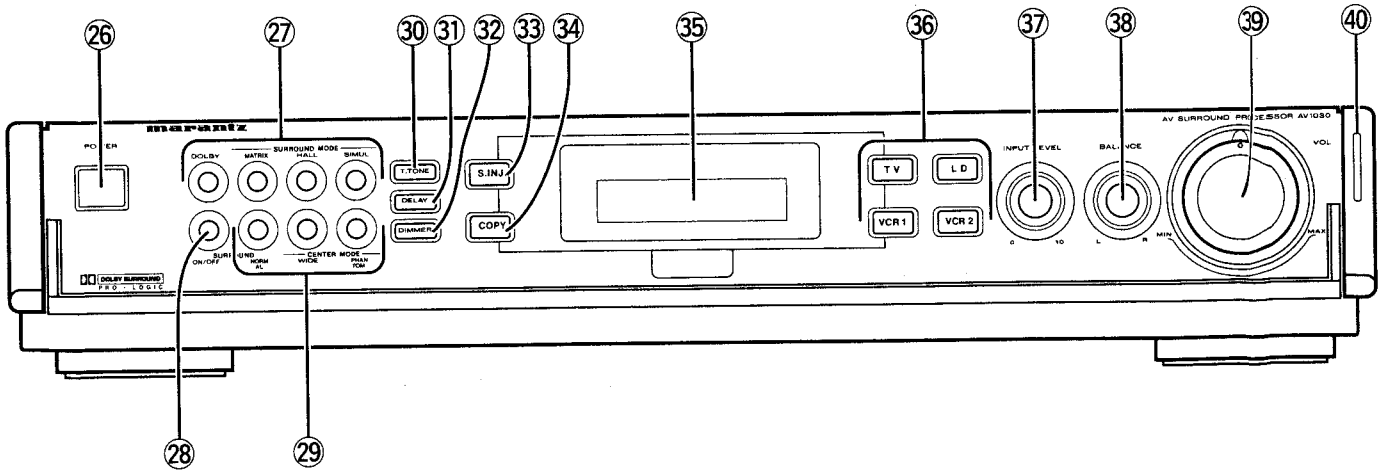


Figure 5

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